



**GANDHI SCHOOL OF
ENGINEERING, BHABANDHA, BERHAMPUR**

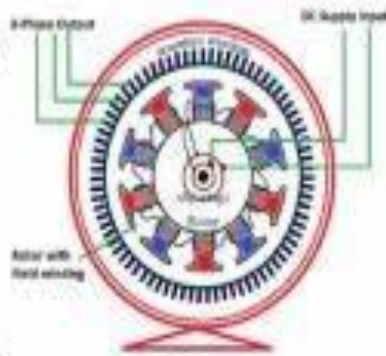
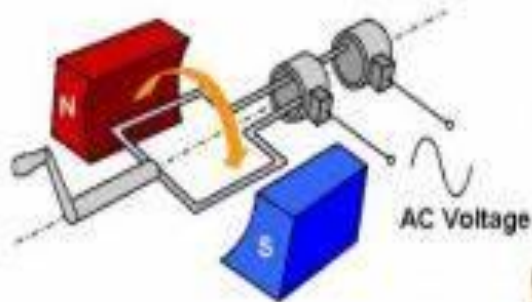
**SUBJECT: ENERGY CONVERSION-II
SEMESTER:3RD**

SUBMITTED BY:-

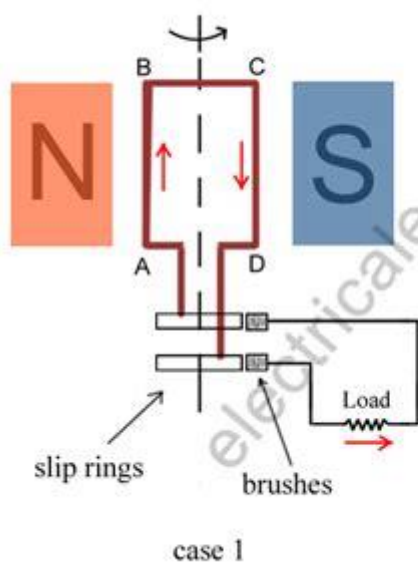
ER. BISHNU PRASAD PANDA

CHAPTER-1:ALTERNATOR:

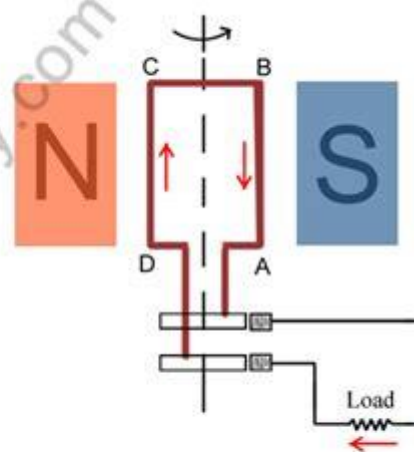
What is the Working Principle of Alternator?



Electrical 4 U



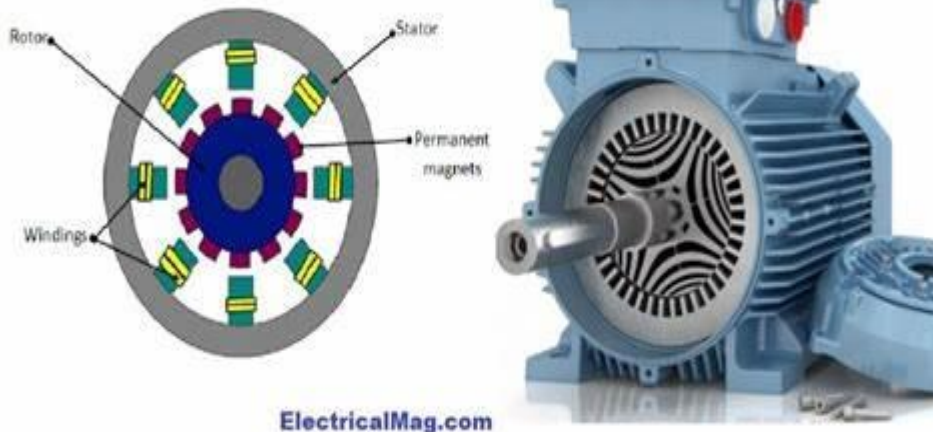
case 1



→ Direction of induced current
case 2

CHAPTER-2: SYNCHRONOUS MOTOR:

Synchronous Motor

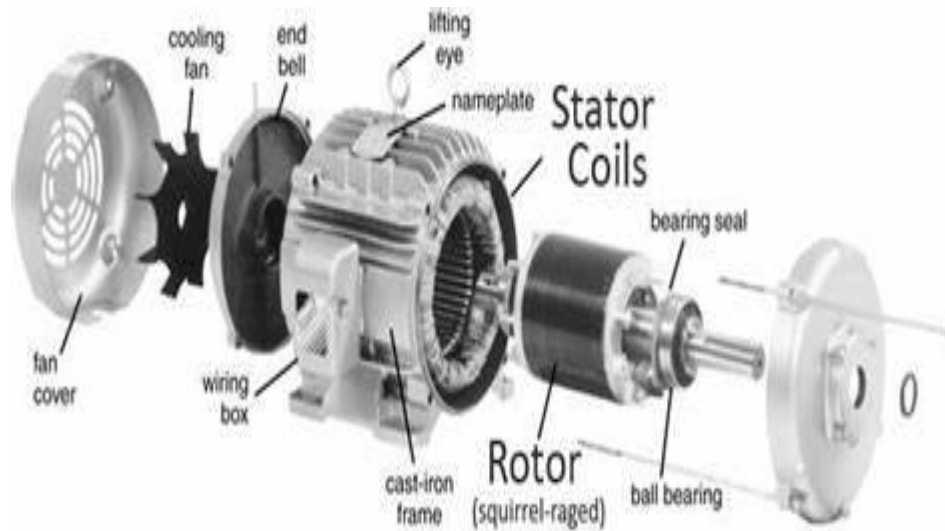


Know All About Synchronous Motor



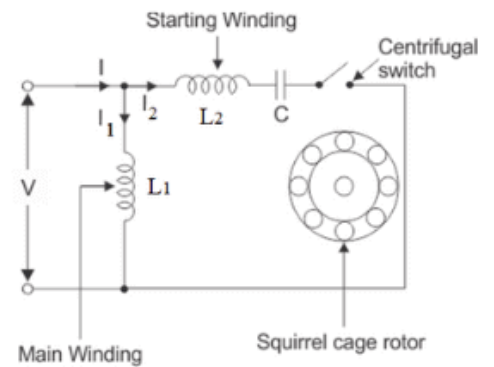
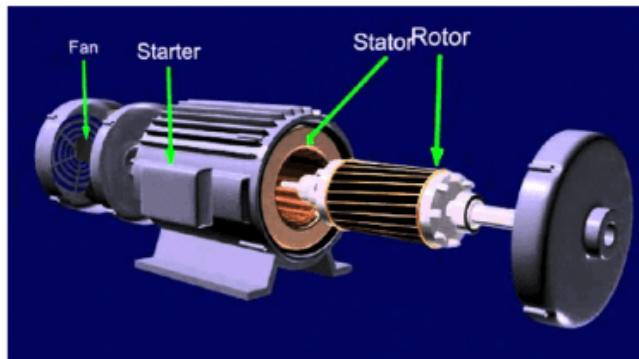
Starting Method
Characteristics
Application
Principle
Types
Merits
Demerits
Model Diagram
Phasor Diagram

CHAPTER-3: THREE PHASE INDUCTION MOTOR:



CHAPTER-4: SINGLE PHASE INDUCTION MOTOR:

What is a Single Phase Induction Motor?



Electrical 4 U

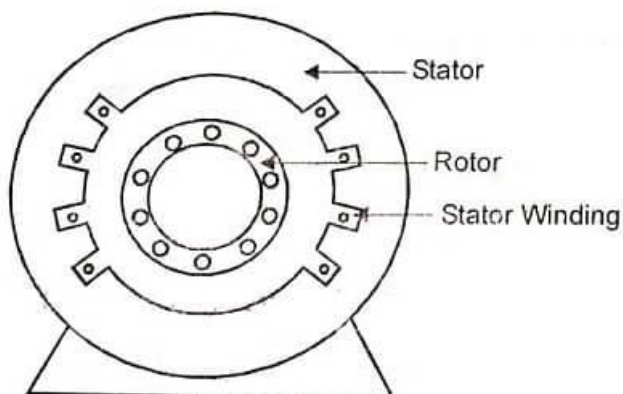


Figure (a)

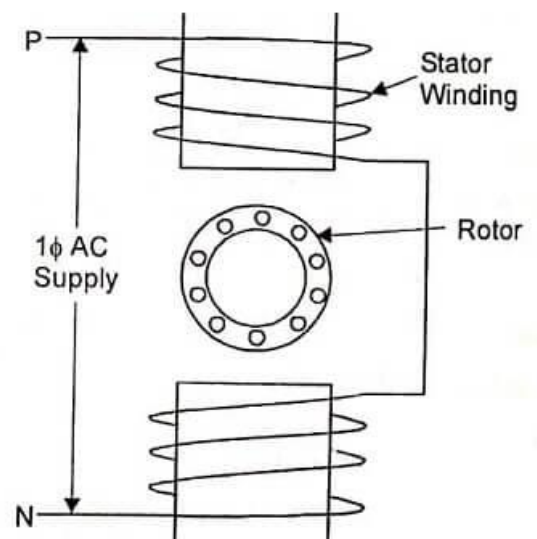
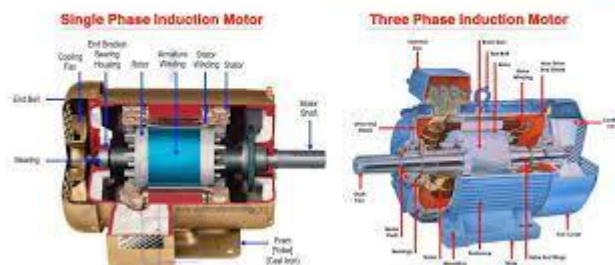


Figure (b)

Differences between 1- Phase & 3-Phase Induction Motors



CHAPTER-5: COMMUTATOR MOTORS:



CHAPTER-6: SPECIAL ELECTRICAL MACHINE:

